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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Attorney Docket No.: DRE0151US.NP

Inventors: Gogotsi and McNallan

Serial No.: 10/555,048

Filing Date: February 8, 2006

Examiner: Not Yet Assigned

Customer No.: 26259

Group Art Unit: 1775

Confirmation No.: 2205

Title: Boron Nitride-Aluminum (BAN) Interfaces  
and Coatings and Methods for Their  
Production and Use

I, Kathleen A. Tyrrell, Registration No. 38,350,  
certify that this correspondence is being deposited  
with the U.S. Postal Service as First Class mail in  
an envelope addressed to the Commissioner for Patents  
P.O. Box 1450, Alexandria, VA 22313-1450

On this date: October 31, 2006

  
Kathleen A. Tyrrell, Registration No. 38,350

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 C.F.R. §1.56 and in accordance with 37 C.F.R.  
§§1.97-1.98, information relating to the above-identified  
application is hereby disclosed. Inclusion of information in  
this statement is not to be construed as an admission that this  
information is material as that term is defined in 37 C.F.R.  
§1.56(b).

(XX) In accordance with §1.97(b), since this Information Disclosure Statement is being filed either within three months of the filing date of the above-identified application, within three months of the date of entry into the national stage of the above identified application as set forth in §1.491, or before the mailing date of a first Office Action on the merits of the above-identified application, no additional fee is required.

( ) In accordance with §1.97(c), this Information Disclosure Statement is being filed after the period set forth in §1.97(b) above but before the mailing date of either a Final Action under §1.113 or a Notice of Allowance under §1.311, therefore:

( ) Certification in Accordance with §1.97(e) is attached hereto; or

( ) Authorization to charge Deposit Account No. 50-1619 the fee of \$180.00 as set forth in §1.17(p) is provided.

( ) In accordance with §1.97(d), this Information Disclosure Statement is being filed after the mailing date of either a Final Action under §1.113 or a Notice of Allowance under §1.311 but before the payment of the Issue Fee, therefore included are: Certification in Accordance with §1.97(e); Petition Requesting Consideration of the Information Disclosure Statement; and the fee of \$130.00 as set forth in §1.17(I)(1).

(XX) Copies of each of the references listed on the attached Form PTO-1449 (modified) are enclosed herewith.

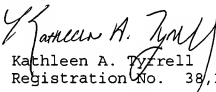
( ) In accordance with §1.98(d), copies of some or all of the references listed on the attached Form PTO-1449 (modified) are not enclosed herewith because they were previously submitted to the U.S. Patent and Trademark Office in prior application Serial No. \_\_\_\_\_, filed \_\_\_\_\_, for which a claim for priority under 35 U.S.C. §120 has been made in the instant application.

Please charge any deficiency or credit any overpayment to Deposit Account No. 50-1619. This form is submitted in duplicate.

( ) The relevance of the listed references in a foreign language is as stated in the specification at pages @@.

(XX) All listed references are in the English language with the exception of Reference AE for which an English abstract is provided.

Respectfully submitted,

  
Kathleen A. Tyrrell  
Registration No. 38,350

Date: October 31, 2006

Licata & Tyrrell P.C.  
66 E. Main Street  
Marlton, New Jersey 08053

(856) 810-1515



Sheet 01 of 03

<b>Form PTO-1449 Modified</b> List of Patents and Publications Cited by Applicant (Use several sheets if necessary)  U.S. Department of Commerce	Docket No. <b>DRE0151US.NP</b>	Serial No. <b>10/555,048</b>
	Applicant <b>Gogotsi and McNallan</b>	
	Filing Date <b>February 8, 2006</b>	Group <b>1775</b>

**U. S. PATENT DOCUMENTS**

Examiner Initial		Document No.	Date	Name	Class	Subclass
	AA	6,341,747	6-29-02	Schmidt et al.	244	123
	AB	5,514,474	5-17-96	Morgan et al.	428	375
	AC	5,137,852	8-11-92	Morgan et al.	501	95
	AD	4,642,271	2-10-87	Rice	428	698

**FOREIGN PATENT DOCUMENTS**

Examiner Initial		Document No.	Date	Country	Translation YES NO	
	AE	JP 6 87657	3-29-94	Japan	English Abstract	

EXAMINER

DATE CONSIDERED

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.G./

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		Applicant <b>Gogotsi and McNallan</b>	
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<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>			
	BA	Boecker, W.D.G., "Silicon Carbide: From Acheson's Invention to New Industrial Products", Ceram. Forum. Int. Ber. 1997 74:244-251	
	BB	Campbell et al., "In-situ Formation of Boron Nitride Interfaces on Nextel 312" Continuous Ceramic Fiber I:Nitriding Process and Blackglas" Ceramic Matrix Composite Properties", Ceram. Eng. Sci. Proc. 1994 327-336	
	BC	Campbell et al., "In-situ Formation of Boron Nitride Interfaces on Nextel 312" Continuous Ceramic Fiber I:Nitriding Process and Blackglas" Ceramic Matrix Composites", Ceram. Eng. Sci. Proc. 1994 337-343	
	BD	Cao et al., "Effect of Interfaces on the Properties of Fiber-Reinforced Ceramics", J. Am. Ceram. Soc. 1990 73(6):1691-1699	
	BE	Cinibulk, Michael K., "Magnetoplumbite Compounds as a Fiber Coating in Oxide/Oxide Composites", Ceram. Eng. Sci. Proc. 1994 15(5):721-728	
	BF	Goettler et al., "Isotropic Complex Oxides as Fiber Coatings for Oxide-Oxide CFCC", Ceram. Eng. Sci. Proc. 1997 18(3):279-286	
	BG	Halbig et al., "Oxygen Diffusion and Reaction Kinetics in Continuous Fiber Ceramic Matrix Composites", Advanced Ceramics, Materials and Structures Jan. 20-24, 1998 143-150	
	BH	Kuo et al., "Control of Interfacial Properties through Fiber Coatings: Monazite Coatings in Oxide-Oxide Composites", J. Am. Ceram. Soc. 1997 80(12):2987-2996	
	BI	Lee et al., "Multilayered Oxide Interphase Concept for Ceramic-Matrix Composites", J. Am. Ceram. Soc. 1998 81(3):717-720	
<b>EXAMINER</b>		<b>DATE CONSIDERED</b>	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.G./

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U.S. Department of Commerce			
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>			
	BJ	Moore, Edmund H., "Carbon Coating of Nextel 550 and 720 by Pitch-Toluene Pyrolysis", J. Am. Ceram. Soc. 1997 80(5):1285-1288	
	BK	More et al., "The Stability of BN-Containing CMCs Exposed to Oxygen and Water Vapor in the Temperature Range 425-1150°C", Abstract 812, 98-1, San Diego 1998	
	BL	Morscher et al., "Environmental Durability of BN-Based Interphases (for SiC <sub>2</sub> /SiC <sub>n</sub> Composites) in H <sub>2</sub> O Containing Atmospheres at Intermediate Temperatures", Ceram. Eng. Sci. Proc. 1997 18(3):523-534	
	BM	Plucknett et al., "Inhibition of intermediate temperature degradation of calcium aluminosilicate/Nicalon by high temperature pretreatment", Journal of Materials Science Letters 1995 14:1223-1226	
	BN	Singh, Raj N., "Fiber-Matrix Interfacial Characteristics in a Fiber-Reinforced Ceramic-Matrix Composite", J. Am. Ceram. Soc. 1989 72(9):1764-1767	
	BO	Singh et al., "Effect of Boron Nitride Coating on Fiber-Matrix Interactions", Advanced Ceramic Materials 1988 3(3):235-237	
<b>EXAMINER</b> /Jill M. Gray/		<b>DATE CONSIDERED</b> 03/31/2008	